

DISPOSAL DATA

The measurement of solid waste activities in South Carolina focuses primarily on municipal solid waste (MSW) as required by the S.C. Solid Waste Policy and Management Act of 1991 (Act). MSW, however, is narrowly defined and, as such, is only part of the picture. Measuring the total amount of solid waste generated (recycled + disposed of) offers – in some ways – a much more realistic picture.

This section focuses on disposal for both MSW and total solid waste. It provides local governments – and in particular, solid waste planners – specific information as they develop the county's solid waste plan. This section addresses different types of waste that are disposed of including, of course, MSW as well as the components that comprise total solid waste: construction and demolition (C&D) debris; land-clearing debris (LCD); industrial solid waste (ISW); and ash. This section also includes charts that provide disposal data several ways including by facility and origin and type of waste.

In addition, it also includes charts detailing the amount of material generated for disposal and used when applying Demonstration of Need criteria for MSW, C&D and ISW landfills. Demonstration of Need refers to the criteria that is used when there

is a proposed solid waste disposal facility. Specific criteria includes location of the proposed facility or the facility's expansion, the number of commercial disposal facilities within the planning area and the amount of waste generated within the planning area.

South Carolinians disposed of more than 3.4 million tons of MSW in fiscal year (FY) 2006 – virtually unchanged from the previous FY. Each resident disposed of about 4.4 pounds per person per day (p/p/d). That figure – which is about one-tenth of a pound less than FY05 – remains about 1 pound more than the state's disposal goal of 3.5 pounds.

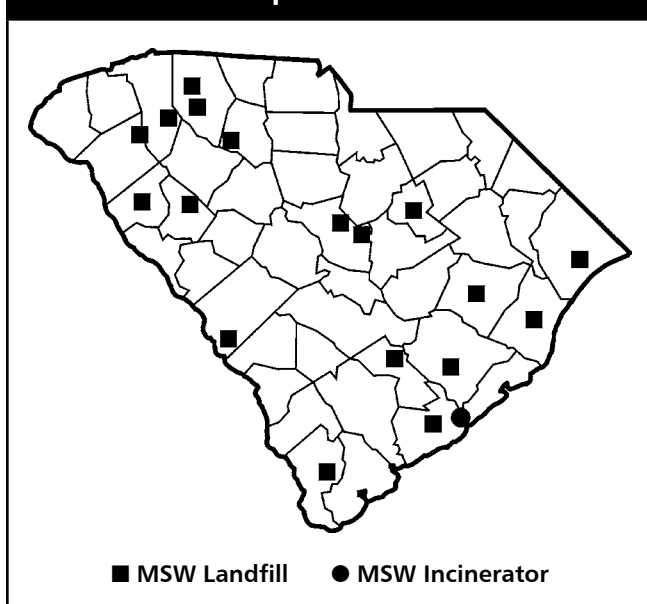
Disposal figures are reported annually to the S.C. Department of Health and Environmental Control (DHEC) by permitted solid waste facilities whether publicly or privately owned. In FY06, there were 416 permitted solid waste facilities in South Carolina. Of these, only three types handle MSW: MSW transfer stations; MSW incinerators; and MSW landfills.

There were 33 permitted MSW transfer stations in FY06. Of those, 29 reported accepting MSW for disposal. A transfer station, as defined by the Act, is a combination of structures, machinery or devices at a facility where solid waste is taken from collection vehicles and placed in other transportation units, with or without reduction in volume, for movement to another solid waste management facility.

There was one MSW incinerator – Montenay Charleston Resource Recovery – operating in FY06. At that facility, 224,506 tons of MSW were burned for energy recovery. As a result of that incineration, 56,248 tons of ash were generated and disposed of in the Oakridge MSW Landfill in Dorchester County.

And there were 18 permitted MSW landfills operating in FY06. (See Charts 6.1 through 6.3 for details.) Local governments own 10 of the MSW landfills and eight are privately owned. MSW landfills, by law, must meet minimum criteria for siting, design, construction, operation and post-closure. All new MSW landfills and expansions to current landfills must comply with the federal Resource Conservation Recovery Act (RCRA) Subtitle D requirements. One of the MSW landfills (Williamsburg County MSW Landfill) continued to operate under a DHEC consent order. The consent order allows the landfill

CHART 6.1: MSW Disposal Facilities



to continue accepting MSW for disposal despite the fact the landfill does not meet RCRA Subtitle D requirements.

It is important to note that MSW landfills accept waste other than MSW. About 6.1 million tons of solid waste – which includes C&D debris, imported solid waste, ISW and MSW – were disposed of in the 18 MSW landfills. That total reflects an increase of 200,000 tons from the previous FY.

The majority of South Carolina's solid waste was disposed of in privately owned MSW landfills. In FY06, MSW landfill owners/operators reported more than 4.8 million tons of solid waste being disposed of in the eight privately owned MSW landfills. In addition, three of those private MSW landfills (Lee County Landfill, Palmetto Landfill and Richland Landfill) accepted 52 percent of the solid waste that was disposed of in the state's MSW landfills. About 1.3 million tons of solid waste were disposed of in the state's publicly owned MSW landfills in FY06 – reflecting no change from FY05.

Tipping fees – the fees charged to dispose of solid waste at a landfill – were provided on the MSW landfill reports submitted to DHEC. While tipping fee data is incomplete (only a portion of the facilities reported this number), it is worth noting that in FY06 the average MSW landfill tipping fee was \$36 per ton. For comparison, "BioCycle's The State of Garbage in America" (April 2006 issue) reports "... 27 states reported average tipping fees, with a low in Oklahoma of \$18 per ton and a high of \$98 per ton in Vermont. Of the other 25 states, seven reported tipping fees of \$20 to \$29 per ton, nine between \$30 and \$39 per ton, two between \$40 and \$49 per ton, four of \$50 to \$60 per ton and three of \$60 to \$70 per ton."

More than 1.6 million tons of the 6.1 million tons of solid waste disposed of in MSW landfills in South Carolina was imported from eight states: Delaware; Florida; Georgia; Massachusetts; New Jersey; North Carolina; Tennessee; and Texas. Overall, the amount of waste imported into South Carolina in FY06 reflects a slight increase from the previous FY. Imported solid waste, of which the majority is MSW, is not calculated into the state's recycling and disposal rates. Imported solid waste, however, impacts the state's landfill capacity.

Six South Carolina counties – Anderson, Chester, Lancaster, Oconee, Pickens and York – exported 133,606 tons of MSW. Of that amount, 51,004 tons were sent to North Carolina and 82,602 tons went to Georgia for disposal.

Classifications for C&D and LCD Landfills

There are four types of construction and demolition (C&D) and land-clearing debris (LCD) landfills: Part I Short-Term Landfills; Part II LCD and Yard Trash Landfills; Part III C&D Landfills that serve utilities and manufacturers; and Part IV Long-Term Landfills.

Except for Part II Landfills, C&D landfills accept various types of construction and demolition waste that has not come in contact with hazardous constituents such as lead-based paint, friable asbestos, petroleum products, polychlorinated biphenyls (PCBs), solvents and preservatives.

- **Part I Short-Term Landfills** – These landfills have a proposed life of 12 months or less, occupy one acre in size or less and can only accept land-clearing debris, hardened concrete, hardened/cured asphalt, bricks and block.
- **Part II LCD and Yard Trash Landfills** – These landfills are used solely for the disposal of trees, stumps, wood chips, and yard trash that is generated by land-clearing activities, storm events and natural disasters (e.g., hurricanes and tornadoes).
- **Part III C&D Landfills** – These are private landfills with controlled access that serve permanently located utility facilities and manufacturing firms. They may use certain solid waste that is generated on-site for structural fill.
- **Part IV Long-Term Landfills** – These landfills may operate more than a year, are normally larger than one acre and may accept a variety of materials including all materials that can be accepted in Part I, II and III landfills.

Overall, there were 148 C&D/LCD landfills in the state in FY06. See Chart 6.6 on page 69 for more details on C&D debris as well as LCD disposal in FY06.

CHART 6.2: MSW Landfills (MSWLF), Remaining Capacity & Disposal in Tons

NAME OF MSWLF	COUNTY	PERMITTED ANNUAL RATE OF DISPOSAL	FY06 DISPOSAL	ESTIMATED REMAINING CAPACITY OF FACILITY	ESTIMATED REMAINING LIFE OF FACILITY BASED ON PERMITTED DISPOSAL RATE IN YEARS	ESTIMATED REMAINING LIFE OF FACILITY BASED ON CURRENT DISPOSAL RATE IN YEARS
Abbeville County MSWLF	Abbeville	46,000	19,004	370,588	8.1	19.5
Anderson Regional Landfill	Anderson	438,000	355,000	8,379,825	19.1	23.6
Bees Ferry Road MSWLF	Charleston	180,000	91,647	4,467,500	24.8	48.7
Berkeley County MSWLF	Berkeley	1,000,000	227,216	4,678,264	4.7	20.6
Enoree Phase II MSWLF	Greenville	243,750	234,365	151,576	0.6	0.6
Georgetown County MSWLF	Georgetown	79,582	53,036	1,397,268	17.6	26.3
Greenwood County MSWLF	Greenwood	114,000	84,247	2,478,242	21.7	29.4
Hickory Hill MSWLF	Jasper	302,000	253,095	4,059,390	13.4	16.0
Horry County MSWLF	Horry	250,000	237,116	3,256,004	13.0	13.7
Lee County Landfill, LLC	Lee	1,944,939	1,410,054	26,821,107	13.8	19.0
Northeast Landfill, LLC	Richland	218,400	75,229	267,189	1.2	3.6
Oakridge MSWLF	Dorchester	1,144,000	498,254	11,170,167	9.8	22.4
Palmetto MSWLF	Spartanburg	1,200,000	1,082,547	2,984,484	2.5	2.8
Richland Landfill, Inc.	Richland	851,500	680,591	6,161,877	7.2	9.1
Three Rivers MSWLF	Aiken	500,000	234,804	18,319,869	36.6	78.0
Union County Regional MSWLF	Union	730,000	449,873	7,313,793	10.0	16.3
Wellford MSWLF	Spartanburg	150,000	93,603	112,666	0.8	1.2
Williamsburg County MSWLF	Williamsburg	35,000	19,160	116,396	3.3	6.1
STATE TOTALS	—	9,427,171	6,098,840	102,506,233	10.9	16.8

CHART 6.3: MSW Landfill Disposal by Facility and County or State of Origin in Tons																				
FACILITY & COUNTY OR STATE OF ORIGIN	ABBEVILLE COUNTY SUBTITLE D LANDFILL	ANDERSON REGIONAL LANDFILL, LLC	BEE'S FERRY ROAD MSW LANDFILL	BERKELEY COUNTY SUBTITLE D LANDFILL	ENOREE PHASE II MSW LANDFILL	GEORGETOWN COUNTY MSW LANDFILL	GREENWOOD COUNTY MSW LANDFILL	HICKORY HILL MSW LANDFILL	HORRY COUNTY SUBTITLE D LANDFILL	LEE COUNTY LANDFILL, LLC	NORTHEAST LANDFILL, LLC	OAKRIDGE MSW LANDFILL	PALMETTO MSW LANDFILL	RICHLAND LANDFILL INC.	THREE RIVERS MSW LANDFILL	UNION COUNTY REGIONAL MSW LANDFILL	WELLFORD MSW LANDFILL	WILLIAMSBURG COUNTY MSW LANDFILL	TOTAL AMOUNT OF SOLID WASTE LANDFILLED IN S.C. MSWLF'S BY ORIGIN OF WASTE	S.C. SOLID WASTE EXPORTED FOR DISPOSAL OUT OF STATE
Abbeville	17,110	0	0	0	0	0	0	0	0	0	0	78	6	25	0	0	0	0	17,219	0
Aiken	0	0	0	0	0	0	0	0	0	0	0	1	0	577	93,422	0	0	0	94,000	0
Allendale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,272	0	0	0	5,272	0
Anderson	0	110,303	0	0	0	0	0	0	0	0	0	0	4,435	2	0	78	0	0	114,826	3,935
Bamberg	0	0	0	0	0	0	0	0	0	0	0	816	0	0	0	0	0	0	816	0
Barnwell	0	0	0	0	0	0	0	0	0	0	0	22	0	169	0	0	0	0	191	0
Beaufort	0	0	0	101	0	0	0	197,040	0	0	0	1,757	0	42	0	0	0	0	198,939	0
Berkeley	0	0	0	215,860	0	0	0	0	0	0	0	149,415	0	20	0	0	0	0	365,294	0
Calhoun	0	0	0	0	0	0	0	0	0	0	5,185	4	0	8	0	0	0	0	5,196	0
Charleston	0	0	91,647	9,292	0	0	0	1	0	22	19	112,496	0	164	0	0	0	0	213,641	0
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	23,666	19	0	0	0	0	23,685	0
Chester	0	0	0	0	0	0	0	0	0	0	288	0	248	20,293	0	3,425	0	0	24,254	3,670
Chesterfield	0	0	0	0	0	0	0	0	0	16,426	0	0	0	1,117	0	0	0	0	17,543	0
Clarendon	0	0	0	0	0	0	0	0	0	2,538	0	26	0	3	0	0	0	0	2,567	0
Colleton	0	0	0	95	0	0	0	0	0	0	0	22,629	0	0	0	0	0	0	22,724	0
Darlington	0	0	0	0	0	0	0	0	0	26,452	0	16	0	26	0	0	0	0	26,494	0
Dillon	0	0	0	0	0	0	0	0	0	6,525	0	50	0	1	0	0	0	0	6,576	0
Dorchester	0	0	0	1,691	0	0	0	0	0	0	0	130,382	0	26	0	0	0	0	132,100	0
Edgefield	0	0	0	0	0	0	0	0	0	0	0	4	0	7	0	31	0	0	46	0
Fairfield	0	0	0	0	0	0	0	0	0	0	0	0	0	2,115	0	0	0	0	2,115	0
Florence	0	0	0	0	0	0	0	0	0	55,147	0	26	0	417	0	0	0	0	55,590	0
Georgetown	0	0	0	6	0	52,976	0	0	93	0	0	1,642	0	3	0	0	0	0	54,719	0
Greenville	0	126,669	0	0	231,035	0	0	0	0	0	0	0	112,707	118	0	157,819	0	0	628,348	0
Greenwood	226	7,932	0	0	0	0	84,247	0	0	0	0	0	974	2	0	23,524	0	0	116,905	0
Hampton	0	0	0	0	0	0	0	11,547	0	0	0	2,152	0	34	0	0	0	0	13,734	0
Horry	0	0	0	6	0	61	0	0	205,279	308	0	49	0	135	0	0	0	0	205,838	0
Jasper	0	0	0	0	0	0	0	22,050	0	0	0	0	0	0	0	0	0	0	22,050	0
Kershaw	0	0	0	0	0	0	0	0	0	13,329	1,230	0	0	28,809	0	0	0	0	43,368	0

CHART 6.4: Total Solid Waste Disposed in MSW Landfills, MSW Incinerators and Exported in Tons (by Type of Waste)

COUNTY	RESIDENTIAL (LANDFILLED + INCINERATED + EXPORTED)	COMMERCIAL (LANDFILLED + EXPORTED)	INDUSTRIAL – OFFICE/PACKAGING (LANDFILLED + EXPORTED)	ASH	C&D DEBRIS (LANDFILLED + INCINERATED)	INDUSTRIAL PROCESS WASTE	PROCESSED WASTE TIRES	NATURAL DISASTER DEBRIS	OTHER	TOTAL SW LANDFILLED IN MSWLFS, INCINERATED & EXPORTED FOR DISPOSAL	“DEFINED MSW” LANDFILLED IN MSWLFS, INCINERATED & EXPORTED FOR DISPOSAL
Abbeville	9,269	6,090	0	0	32	1,799	0	0	30	17,219	15,358
Aiken	67,402	27,507	0	0	0	6,612	0	0	43	101,563	94,909
Allendale	4,069	1,744	0	0	0	0	0	0	0	5,813	5,813
Anderson	95,748	19,516	514	0	10,690	4,412	0	0	7,903	138,783	115,778
Bamberg	7,729	3,753	0	0	0	314	0	0	62	11,857	11,481
Barnwell	12,245	5,409	0	0	0	22	0	0	8	17,683	17,653
Beaufort	64,677	85,452	0	0	26,041	1,375	0	0	26,816	204,361	150,129
Berkeley	53,940	54,293	12,687	0	61,579	124,240	0	0	58,556	365,294	120,920
Calhoun	3,794	4,208	0	0	55	2,559	0	0	0	10,615	8,001
Charleston	273,249	28,826	5	56,248	24,479	11,372	0	0	43,966	438,147	302,081
Cherokee	15,636	21,583	10,369	0	88	21,422	0	0	7	69,106	47,589
Chester	19,243	926	0	539	0	22,713	0	0	76	43,496	20,169
Chesterfield	5,623	7,510	0	0	0	3,653	0	0	757	17,543	13,132
Clarendon	6,652	2,625	0	0	41	906	0	0	447	10,671	9,276
Colleton	207	20,520	0	0	2,293	13,233	0	0	2,020	38,273	20,727
Darlington	22,980	13,410	0	0	8	10,678	0	0	258	47,333	36,390
Dillon	24,916	41	0	0	4	6,531	0	0	1	31,492	24,957
Dorchester	809	76,930	0	0	24,099	4,212	0	0	26,051	132,100	77,739
Edgefield	9,328	4,001	0	0	1	35	0	0	7	13,371	13,329
Fairfield	18,606	1,943	0	0	0	105	0	0	67	20,721	20,549
Florence	122,445	24	0	0	239	26,859	0	0	353	149,919	122,469
Georgetown	27,601	19,451	0	0	13	388	0	0	7,266	54,719	47,052
Greenville	211,361	254,126	30,150	0	47,008	99,558	0	0	32,370	674,574	495,637
Greenwood	24,325	49,162	0	0	298	24,473	0	0	19,083	117,341	73,487
Hampton	57	17,043	0	0	117	65	0	0	39	17,322	17,101
Horry	75,816	161,287	0	0	6	0	0	0	473	237,582	237,103

Jasper	9,543	11,173	0	0	4,092	8	0	0	284	25,100	20,716
Kershaw	22,001	12,064	0	0	1,244	7,825	0	0	235	43,368	34,065
Lancaster	29,398	32	0	0	0	4,287	0	0	125	33,842	29,430
Laurens	0	41,015	89	0	97	7,955	0	0	24	49,210	41,134
Lee	10,741	0	0	0	39	3,399	0	0	559	14,737	10,741
Lexington	108,944	44,087	0	0	1,739	33,660	0	0	4,838	193,268	153,031
Marion	19,735	37	0	0	0	1,897	0	0	15	21,683	19,772
Marlboro	7,707	4,494	0	0	0	1,051	0	0	25	13,276	12,201
McCormick	2,773	1,675	0	0	0	66	0	0	10	4,524	4,448
Newberry	40,486	11	0	0	2,227	7,210	0	0	17	49,951	40,497
Oconee	38,371	8,628	205	0	34	6,050	0	0	15	53,302	47,204
Orangeburg	43,753	32,515	0	460	1,393	9,527	0	0	13,339	100,988	76,268
Pickens	40,307	3,834	140	0	5,415	6,871	0	0	3	56,570	44,281
Richland	253,711	63,113	22	1,516	4,563	23,692	0	0	29,820	376,435	316,845
Saluda	7,815	3,367	0	0	0	687	0	0	0	11,870	11,183
Spartanburg	118,030	38,895	71,578	0	13,154	91,258	0	0	48,169	381,084	228,503
Sumter	36,449	36,046	0	0	8,145	81,745	0	0	672	163,056	72,494
Union	9,981	2,515	250	0	925	500	0	0	7	14,178	12,747
Williamsburg	11,008	4,254	2,793	0	0	20,972	0	0	19	39,045	18,055
York	108,003	32,869	10,957	0	0	9,328	0	0	319	161,476	151,829
S.C. COUNTIES TOTAL (MSWLF/TS/EXP/INC)	2,096,479	1,228,031	139,760	58,763	240,155	705,525	0	0	325,148	4,793,860	3,464,269
Delaware	0	0	0	0	0	100,138	0	0	0	100,138	0
Florida	0	0	0	0	0	0	0	0	17	17	0
Georgia	18,903	1,023	21	0	5,371	15,758	0	0	961	42,036	19,946
North Carolina	142,915	335,494	160,163	0	3,042	45,732	0	0	10,602	697,947	638,572
Massachusetts	447,415	0	0	0	0	1,125	0	0	0	448,541	447,415
New Jersey	195,792	0	0	0	100	0	0	0	159	196,050	195,792
Tennessee	0	0	0	0	0	33	0	0	0	33	0
Texas	192,027	0	0	0	0	0	0	0	0	192,027	192,027
OUT OF STATE TOTAL (MSWLF)	997,052	336,516	160,184	0	8,512	162,787	0	0	11,738	1,676,789	1,493,752
TOTAL BY WASTE STREAM	3,093,531	1,564,547	299,944	58,763	248,667	868,311	0	0	336,887	6,470,659	4,958,022

CHART 6.5: Total Solid Waste Recycling, Disposal and Generation Rates in Tons

COUNTY	POPULATION	TOTAL SW DISPOSED OF IN THE MSW LANDFILLS, SW INCINERATORS & EXPORTED	TOTAL C&D & LCD DEBRIS DISPOSED OF IN PART II, III & IV LANDFILLS	TOTAL INDUSTRIAL SW DISPOSED OF IN COMMERCIAL & ONSITE ISW LANDFILLS	TOTAL AMOUNT OF ALL SW LANDFILLED INCINERATED & EXPORTED	TOTAL COUNTY RECYCLING EFFORTS	TOTAL AMOUNT OF SW GENERATED (RECYCLED + DISPOSED)	PERCENT OF TOTAL SW GENERATED THAT WAS RECYCLED (SW RECYCLED/ GENERATED)
Abbeville	26,133	17,219	7,623	0	24,842	8,456	33,298	25.4
Aiken	150,181	101,563	116,896	38,618	257,077	70,000	327,077	21.4
Allendale	10,917	5,813	2,354	0	8,167	3,236	11,403	28.4
Anderson	175,514	138,783	67,496	11,185	217,464	88,017	305,480	28.8
Bamberg	15,880	11,857	6,175	0	18,032	2,513	20,546	12.2
Barnwell	23,345	17,683	105,217	0	122,900	15,002	137,902	10.9
Beaufort	160,900	204,361	141,752	0	346,113	108,294	454,407	23.8
Berkeley	151,673	365,294	61,341	219,776	646,411	1,372,437	2,018,848	68.0
Calhoun	15,100	10,615	6,234	733	17,582	2,830	20,412	13.9
Charleston	330,368	438,147	168,253	207,527	813,926	972,033	1,785,959	54.4
Cherokee	53,844	69,106	16,210	30	85,346	18,199	103,544	17.6
Chester	33,228	43,496	2,908	70,435	116,839	4,272	121,111	3.5
Chesterfield	43,435	17,543	12,021	2,717	32,280	6,902	39,182	17.6
Clarendon	33,363	10,671	8,861	90	19,622	8,414	28,036	30.0
Colleton	39,605	38,273	17,439	741	56,453	18,129	74,582	24.3
Darlington	67,346	47,333	11,814	4,611	63,758	95,061	158,820	59.9
Dillon	30,974	31,492	8,352	0	39,844	5,587	45,431	12.3
Dorchester	112,858	132,100	1,635	92,762	226,497	36,303	262,800	13.8
Edgefield	25,528	13,371	16,550	0	29,921	7,466	37,388	20.0
Fairfield	24,047	20,721	359	40	21,120	5,881	27,001	21.8
Florence	131,097	149,919	1,142	25,860	176,921	77,968	254,890	30.6
Georgetown	60,983	54,719	51,581	11,600	117,900	22,282	140,181	15.9
Greenville	407,383	674,574	164,602	384	839,560	359,316	1,198,875	30.0
Greenwood	67,979	117,341	20,174	0	137,515	38,602	176,117	21.9
Hampton	21,329	17,322	7,786	0	25,108	7,031	32,139	21.9
Horry	226,992	237,582	211,671	15,001	464,253	325,910	790,164	41.2
Jasper	21,398	25,100	4,347	0	29,447	8,262	37,709	21.9
Kershaw	56,486	43,368	52,668	20	96,056	47,167	143,216	32.9
Lancaster	63,113	33,842	420	26,792	61,054	71,517	132,572	53.9
Laurens	70,293	49,210	9,706	1,956	60,872	17,102	77,974	21.9
Lee	20,638	14,737	0	0	14,737	9,254	23,991	38.6
Lexington	235,272	193,268	238,644	35,803	467,715	1,038,559	1,506,274	68.9
Marion	34,904	21,683	62,965	0	84,648	5,262	89,910	5.9
Marlboro	28,021	13,276	1,212	4,814	19,303	20,495	39,798	51.5
McCormick	10,108	4,524	4,416	0	8,940	2,874	11,814	24.3
Newberry	37,250	49,951	1,373	990	52,315	30,736	83,051	37.0
Oconee	69,577	53,302	35,143	37	88,482	41,144	129,625	31.7
Orangeburg	92,167	100,988	26,321	254,099	381,408	19,873	401,280	5.0
Pickens	113,575	56,570	34,394	70	91,034	46,849	137,883	34.0
Richland	340,078	376,435	211,929	187,517	775,882	56,884	832,766	6.8
Saluda	18,895	11,870	1,960	0	13,830	3,979	17,809	22.3
Spartanburg	266,809	381,084	72,335	2,385	455,805	604,164	1,059,968	57.0
Sumter	105,517	163,056	43,588	12,126	218,770	126,386	345,156	36.6
Union	28,539	14,178	909	8,418	23,505	5,508	29,013	19.0
Williamsburg	35,395	39,045	7,220	13,775	60,040	5,657	65,696	8.6
York	190,097	161,476	137,916	1,861	301,252	702,670	1,003,922	70.0
TOTAL FOR S.C. COUNTIES	4,278,134	4,793,860	2,183,914	1,252,771	8,230,545	6,544,475	14,775,020	44.3
OUT OF STATE TOTAL	—	1,676,789	38,692	2,713	1,718,194	—	1,718,194	—
TOTAL WASTE STREAM	4,278,134	6,470,649	2,222,606	1,255,484	9,948,739	6,544,475	16,493,214	44.3

CHART 6.6: Construction & Demolition (C&D) Debris and Land-Clearing Debris (LCD) Landfill Disposal in Tons by Facility Type and County

COUNTY OR PLACE OF ORIGIN	PART IV C&D/LCD LANDFILLS – LONG-TERM C&D LANDFILLS	PART II C&D/LCD LANDFILLS – LAND-CLEARING DEBRIS LANDFILLS	PART III C&D/LCD LANDFILLS – INDUSTRIAL C&D LANDFILLS	TOTAL FOR EACH COUNTY
Abbeville	6,597	1,026	0	7,623
Aiken	90,100	26,797	0	116,896
Allendale	2,354	0	0	2,354
Anderson	51,300	16,196	0	67,496
Bamberg	6,175	0	0	6,175
Barnwell	10,921	0	94,296	105,217
Beaufort	141,752	0	0	141,752
Berkeley	61,341	0	0	61,341
Calhoun	4,474	0	1,760	6,234
Charleston	168,253	0	0	168,253
Cherokee	16,210	0	0	16,210
Chester	2,908	0	0	2,908
Chesterfield	12,021	0	0	12,021
Clarendon	8,861	0	0	8,861
Colleton	17,439	0	0	17,439
Darlington	11,764	0	50	11,814
Dillon	8,352	0	0	8,352
Dorchester	1,635	0	0	1,635
Edgefield	13,116	3,434	0	16,550
Fairfield	359	0	0	359
Florence	1,142	0	0	1,142
Georgetown	51,581	0	0	51,581
Greenville	163,450	1,152	0	164,602
Greenwood	20,174	0	0	20,174
Hampton	7,786	0	0	7,786
Horry	211,671	0	0	211,671
Jasper	3,681	666	0	4,347
Kershaw	52,668	0	0	52,668
Lancaster	6	119	295	420
Laurens	9,479	227	0	9,706
Lee	0	0	0	0
Lexington	237,178	1,466	0	238,644
Marion	62,965	0	0	62,965
Marlboro	1,212	0	0	1,212
McCormick	4,409	7	0	4,416
Newberry	1,273	100	0	1,373
Oconee	23,801	11,342	0	35,143
Orangeburg	26,319	2	0	26,321
Pickens	17,881	16,513	0	34,394
Richland	211,729	200	0	211,929
Saluda	1,960	0	0	1,960
Spartanburg	68,662	3,673	0	72,335
Sumter	43,588	0	0	43,588
Union	3	906	0	909
Williamsburg	7,220	0	0	7,220
York	95,632	42,284	0	137,916
C&D LCD from S.C.	1,961,403	126,110	96,401	2,183,914
Out-of-State (origin not specified)	34,150	4,542	0	38,692
TOTAL AMOUNT OF C&D/LCD DISPOSED	1,995,553	130,652	96,401	2,222,606

CHART 6.7: Commercial and On-site Industrial Solid Waste Landfill (ISWLF) Disposal Data in Tons

ISWLF BY COUNTY OF ORIGIN	TOTAL DISPOSED OF AT THE COMMERCIAL ISWLFS	TOTAL DISPOSED OF AT THE ON-SITE ISWLFS	TOTAL INDUSTRIAL SOLID WASTE DISPOSED
Aiken	0	38,618	38,618
Anderson	11	11,174	11,185
Berkeley	54,163	165,613	219,776
Calhoun	0	733	733
Charleston	207,527	0	207,527
Cherokee	30	0	30
Chester	70,435	0	70,435
Chesterfield	2,717	0	2,717
Clarendon	90	0	90
Colleton	741	0	741
Darlington	4,500	111	4,611
Dorchester	92,762	0	92,762
Fairfield	40	0	40
Florence	25,860	0	25,860
Georgetown	0	11,600	11,600
Greenville	384	0	384
Horry	15,001	0	15,001
Kershaw	20	0	20
Lancaster	26,792	0	26,792
Laurens	1,956	0	1,956
Lexington	0	35,803	35,803
Marlboro	0	4,814	4,814
Newberry	990	0	990
Oconee	37	0	37
Orangeburg	100	253,999	254,099
Pickens	70	0	70
Richland	4,517	183,000	187,517
Spartanburg	2,385	0	2,385
Sumter	12,126	0	12,126
Union	8,418	0	8,418
Williamsburg	0	13,775	13,775
York	1,861	0	1,861
STATE TOTAL	533,531	719,240	1,252,771

NOTE: Counties not listed in this chart did not have industrial solid waste data reported for them.

CHART 6.8: MSW Generated for Disposal in Tons for Use In Demonstrating Need					
COUNTY	FY06	FY05	FY04	FY03	FY02
Abbeville	17,219	15,836	18,817	25,909	23,792
Aiken	101,563	131,285	149,515	111,935	101,193
Allendale	5,813	6,990	5,903	6,540	6,549
Anderson	138,783	161,610	148,849	148,232	170,387
Bamberg	11,857	11,280	11,652	13,768	17,911
Barnwell	17,683	20,128	19,373	18,247	71,924
Beaufort	199,029	181,849	164,984	151,624	142,337
Berkeley	365,294	300,480	353,891	305,575	172,888
Calhoun	10,615	12,143	8,660	9,659	10,183
Charleston	213,641	243,271	221,896	180,463	149,955
Cherokee	69,106	71,145	71,332	73,943	78,519
Chester	43,496	37,847	37,070	44,435	58,377
Chesterfield	17,543	20,206	21,941	24,514	22,506
Clarendon	10,671	8,112	18,403	10,932	14,222
Colleton	38,273	38,100	35,071	31,737	52,805
Darlington	47,333	51,823	52,057	68,953	45,920
Dillon	31,492	34,416	13,925	34,092	31,961
Dorchester	132,100	122,594	94,275	93,306	64,906
Edgefield	13,371	13,406	13,969	14,870	14,774
Fairfield	20,721	21,981	22,546	23,076	19,664
Florence	149,919	154,874	152,909	151,123	148,367
Georgetown	54,719	50,709	49,736	70,531	71,720
Greenville	674,574	673,249	589,204	613,417	489,216
Greenwood	117,341	120,320	109,407	91,719	93,699
Hampton	17,322	22,991	18,188	22,039	20,656
Horry	237,582	222,935	227,469	212,686	193,573
Jasper	22,050	22,100	20,879	17,692	15,457
Kershaw	43,368	44,233	40,162	45,597	39,716
Lancaster	33,842	31,561	35,533	35,088	36,565
Laurens	49,210	73,090	51,636	57,940	50,477
Lee	14,737	15,425	14,981	14,670	27,034
Lexington	193,268	171,692	256,226	221,323	172,856
Marion	21,683	14,380	21,673	4,796	13,668
Marlboro	13,276	12,004	21,815	15,289	13,846
McCormick	4,524	4,858	5,183	11,869	4,682
Newberry	49,951	50,420	48,591	47,893	47,662
Oconee	53,302	49,368	45,533	45,260	46,749
Orangeburg	100,988	94,382	92,970	98,350	84,278
Pickens	51,255	54,966	59,873	56,938	56,669
Richland	376,435	341,907	349,087	327,966	323,740
Saluda	11,870	14,687	9,684	9,197	8,619
Spartanburg	381,084	351,908	373,060	418,942	307,298
Sumter	163,056	156,345	135,220	119,698	95,752
Union	14,178	28,309	18,988	12,835	15,794
Williamsburg	39,045	28,259	25,582	26,100	26,966
York	161,476	166,059	152,060	147,720	139,609
This data is solely for use in calculating annual MSWLF tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.					

CHART 6.9: C&D Debris Generated in South Carolina and Disposed of in Part IV C&D Landfills in Tons for Use In Demonstrating Need

COUNTY	FY06	FY05	FY04	FY03	FY02
Abbeville	6,597	4,549	557	0	0
Aiken	90,100	79,529	74,412	76,117	55,740
Allendale	2,354	3,128	1,578	3,534	1,814
Anderson	51,300	35,801	35,206	42,857	58,068
Bamberg	6,175	4,811	4,883	5,788	5,796
Barnwell	10,921	10,411	8,329	12,749	10,651
Beaufort	141,752	139,916	121,464	102,287	91,022
Berkeley	61,341	36,175	66,023	58,137	72,948
Calhoun	4,474	3,554	4,139	4,067	5,873
Charleston	168,253	130,755	108,148	189,167	161,849
Cherokee	16,210	8,132	10,658	8,586	10,512
Chester	2,908	4,366	3,220	2,346	4,175
Chesterfield	12,021	14,448	12,805	15,192	7,545
Clarendon	8,861	9,296	5,500	4,605	4,574
Colleton	17,439	13,823	13,157	13,295	14,842
Darlington	11,764	12,858	12,614	13,657	15,252
Dillon	8,352	10,995	11,412	10,096	11,359
Dorchester	1,635	2,155	0	10,044	16,069
Edgefield	13,116	3,244	2,678	3,006	1,790
Fairfield	359	177	126	33	407
Florence	1,142	1,264	883	41	893
Georgetown	51,581	30,087	33,680	22,114	26,820
Greenville	163,450	142,767	87,157	147,929	130,358
Greenwood	20,174	14,675	7,408	12,281	8,320
Hampton	7,786	8,590	7,444	3,221	5,714
Horry	211,671	155,676	170,856	135,648	116,954
Jasper	3,681	176	240	500	6,519
Kershaw	52,668	41,923	33,277	30,452	31,193
Lancaster	6	0	0	3	1,345
Laurens	9,479	6,635	8,434	8,631	4,649
Lee	0	0	0	0	0
Lexington	237,178	246,783	231,899	228,223	191,618
Marion	62,965	29,818	16,493	10,982	7,032
Marlboro	1,212	845	1,040	1,034	1,059
McCormick	4,409	1,335	920	819	935
Newberry	1,273	1,098	797	487	262
Oconee	23,801	19,867	20,608	15,558	13,655
Orangeburg	26,319	20,915	23,222	21,479	19,663
Pickens	17,881	34,746	16,049	26,334	15,911
Richland	211,729	216,706	199,805	206,794	177,999
Saluda	1,960	1,149	1,176	1,116	1,288
Spartanburg	68,662	71,424	58,803	26,000	65,096
Sumter	43,588	38,925	42,747	51,962	48,489
Union	3	5	4	1,320	14,689
Williamsburg	7,220	2,386	2,585	3,818	4,106
York	95,632	97,810	82,448	42,550	54,086

This data is solely for use in calculating annual C&D tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.

CHART 6.10: Industrial Solid Waste (ISW) Generated and Disposed of in Commercial ISW Landfills in Tons

COUNTY	CLASS I	CLASS II
Aiken	0	38,618
Anderson	11	11,174
Berkeley	54,163	165,613
Calhoun	0	733
Charleston	207,527	0
Cherokee	30	0
Chester	70,435	0
Chesterfield	2,717	0
Clarendon	90	0
Colleton	741	0
Darlington	4,500	111
Dorchester	92,762	0
Fairfield	40	0
Florence	25,860	0
Georgetown	0	11,600
Greenville	384	0
Horry	15,001	0
Kershaw	20	0
Lancaster	26,792	0
Laurens	1,956	0
Lexington	0	35,803
Marlboro	0	4,814
Newberry	990	0
Oconee	37	0
Orangeburg	100	253,999
Pickens	70	0
Richland	4,517	183,000
Spartanburg	2,385	0
Sumter	12,126	0
Union	8,418	0
Williamsburg	0	13,775
York	1,861	0

There are three Class III ISW Landfills in South Carolina and no waste was reported for FY06. This data is solely for use in calculating annual ISW tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.



The Demonstration of Need Regulation, R.61-107.17, can be viewed on-line at www.scdhec.gov/lwm/regs/r61-107_17.pdf.

